Quarterly Report
Public Page

Date of Report: *March 31, 2014*

Contract Number: *DTPH56-14-H-00003*

Prepared for: *Government Agency: DOT*

Project Title: *Strain-based design and assessment in critical areas of pipeline systems with realistic anomalies*

Prepared by: *Center for Reliable Energy Systems (CRES), C-FER, NIST, and CANMET*

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For quarterly period ending: *March 31, 2014*

1 Work Completed in this Quarter

Multiple meetings were held among the research team members (CRES, C-FER, NIST, and CANMET) to evaluate the work scope. Initial work scope was presented at the project kick-off meeting to the entire project team. The work scope has been further refined and confirmed based on the input at the kickoff meeting.

The type and the number of the tests were confirmed. Preliminary test procedures, such as the loading methods and overall specimen dimensions, were developed.

Initial material specifications, including pipes and fittings, were presented at the kickoff meeting. These specifications were further refined based on the input at the kickoff meeting. A revised material specification sheet has been distributed to the project team members. Potential sources of materials have been identified and procurement process is being followed.

Monthly reports were submitted online and an online kick-off meeting was held on 3/14/2014.

2 Work Planned for the next Quarter

The work planned in the next quarter includes: (1) development of test protocols, (2) pipe procurement and weld fabrication, (3) small-scale material tests, (4) finite element analyses to support experimental tests, and (5) project management, monthly/quarterly reports, and meetings.